

WHAT IS CLAIMED IS:

1. A process for the preparation of synthetic taxanes, comprising the main steps of (1) protecting 7-OH using a protecting agent; (2) acylating -OH in taxanes using an acylating agent; and (3) deprotecting the protecting agent at 7-position to reduce to 7-OH, characterized in that said protecting agent is a lanthanon compound.

2. The process for the preparation of synthetic taxanes according to claim 1, characterized in that said lanthanon compound as the protecting agent is selected from the group consisting of a salt of lanthanon, a double salt of lanthanon, an alkaline compound of lanthanon, a lanthanon chloride and a lanthanon oxychloride.

3. The process for the preparation of synthetic taxanes according to claim 1, characterized in that said lanthanon compound as the protecting agent is selected from the group consisting of a lanthanon chloride, a lanthanon hydroxide, a lanthanon oxychloride and a lanthanon sulfate double salt.

4. The process for the preparation of synthetic taxanes according to claim 1, characterized in that said lanthanon compound as the protecting agent is a lanthanon chloride.

5. The process for the preparation of synthetic taxanes according to claim 1, characterized in that said lanthanon compound as the protecting agent is a cerium salt.

6. The process for the preparation of synthetic taxanes according to claim 1, characterized in that said lanthanon compound as the protecting agent is cerium trichloride.

7. The process for the preparation of synthetic taxanes according to any one of claims 1-6, characterized in that said synthetic taxanes are paclitaxels.

5 8. A process for the preparation of synthetic taxanes, comprising the step of acylating -OH in taxanes using an acylating agent, characterized in using tetrahydrofuran as a medium for acylation.

9. The process for the preparation of synthetic taxanes according to any one of claims 1-7, characterized in using tetrahydrofuran as a medium for acylation.

10 10. The process for the preparation of synthetic taxanes according to any one of claims 8-9, characterized in pre-dehydrating said tetrahydrofuran.